V4.01

FOSCAM

Model: FI9820W

Quick Installation Guide

Indoor HD Pan/Tilt Wireless IP Camera

Black

White

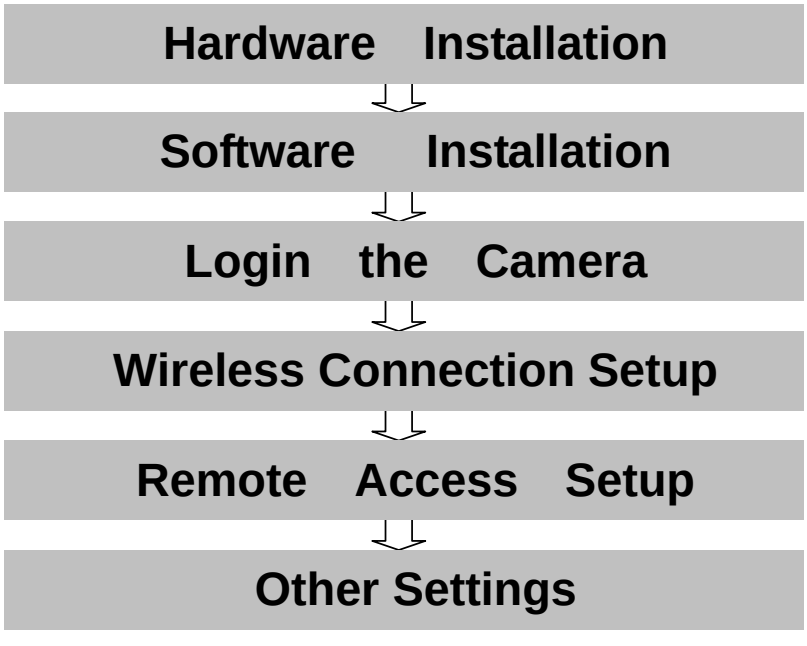
ShenZhen Foscam Intelligent Technology Co., Ltd

Quick Installation Guide - For Windows OS

Package Contents

- HD Network Camera FI9820W x 1
- DC Power Adapter (5V-2.0A) x 1
- Network Cable x 1
- Wi-Fi Antenna x 1
- Mounting Bracket x 1
- Quick Installation Guide x 1
- CD-ROM with Setup Software x 1
- Warranty Card x 1

Quick Installation Diagram



Start Installation

1. Hardware Installation

1) **Open the package**. Take out the camera out of the box carefully.
2) **Mount the antenna.** Then take the Wi-Fi antenna, mount it on the SMA connector on the back of the camera, screw the antenna to the bottom, and make the antenna stand vertically.

Figure 1.1 Mount the antenna

Figure 1.2 Plug the network cable

3) **Get the camera connected to the router, and get it powered.**
Use the network cable to connect the camera to the router or the switch in the LAN network at your home or your office. Plug in the power. The red power light will turn on. And the camera will automatically pan/tilt. If you have plugged in the SD Card, the green light at the rear of the camera will also turn on.

2. Software Installation

Insert the CD into the CD drive of your computer and find the folder “For Windows OS”. Select the IP Camera Tool folder. Double click **IPCamSetup.exe** to install, it pops up a window as below (Fig.1.3). Just click button “**Next**” to finish the installation.

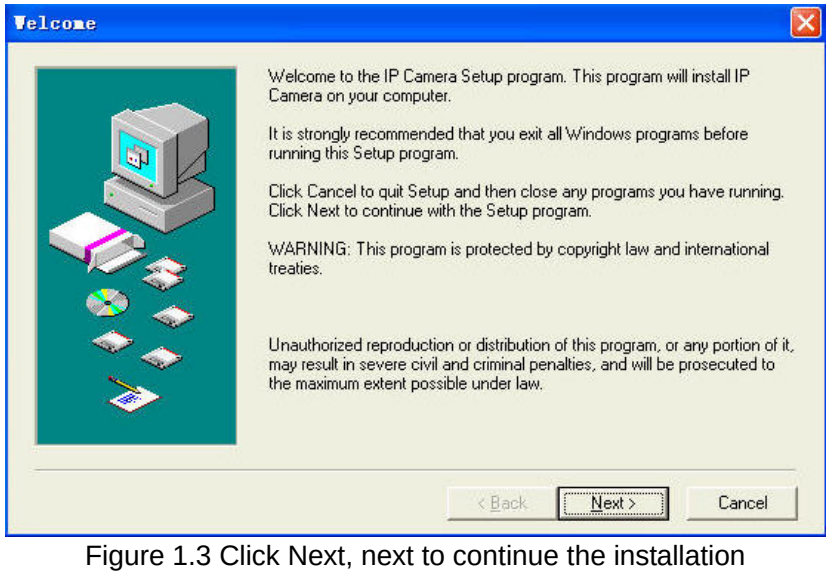

Welcome
Welcome to the IP Camera Setup program. This program will install IP Camera on your computer.
It is strongly recommended that you exit all Windows programs before running this Setup program.
Click Cancel to quit Setup and then close any programs you have running. Click Next to continue with the Setup program.
WARNING: This program is protected by copyright law and international treaties.
Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.
< Back
Next >
Cancel

Figure 1.3 Click Next, next to continue the installation

Finished
Setup has finished copying files to your computer.
Before you can use the program, you must restart Windows or your computer.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Close to complete setup.
< Back
Close
Cancel

Figure 1.4 Click Close to finish installation, and get computer restarted

A shortcut icon will appear on your desktop after the IP Camera Tool software installation is successfully completed.

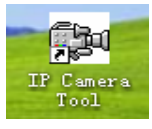


Figure 1.5 Shortcut icon

3. Login the Camera

Double click the IP Camera Tool icon and the following screen should appear.

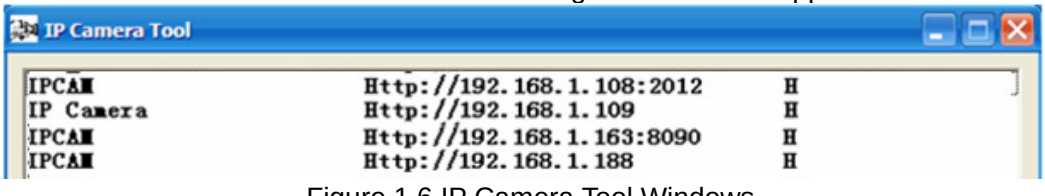


Figure 1.6 IP Camera Tool Windows

The IP camera tool should find the camera's IP automatically after you plug in the network cable. If not, please make sure that DHCP is enabled on your router and that MAC address filtering, firewalls and anti-virus are disabled temporarily until the camera is set up.

Double click the LAN IP address of the camera, it pops up a password dialog box.

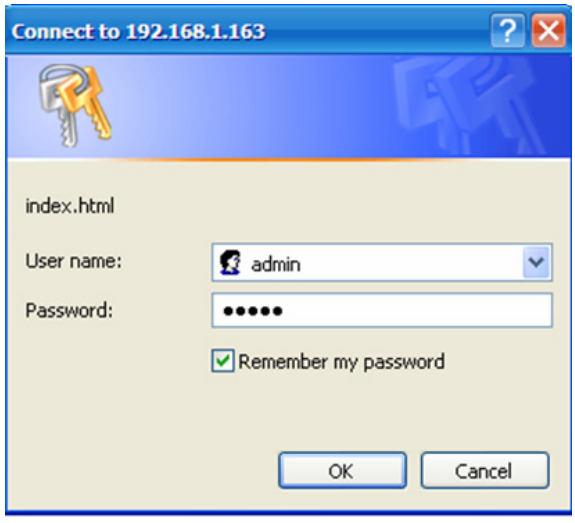


Figure 1.7 Enter the username and password

Camera supports three-level users management: admin, user and guest. The default “admin” user name and password are all “admin”, the default “user” user name and password are all “user”, and the default “guest” user name and password are all “guest”. Different usernames have different permissions. Admin user has the highest authority. He can do any settings. Guest has the lowest authority.

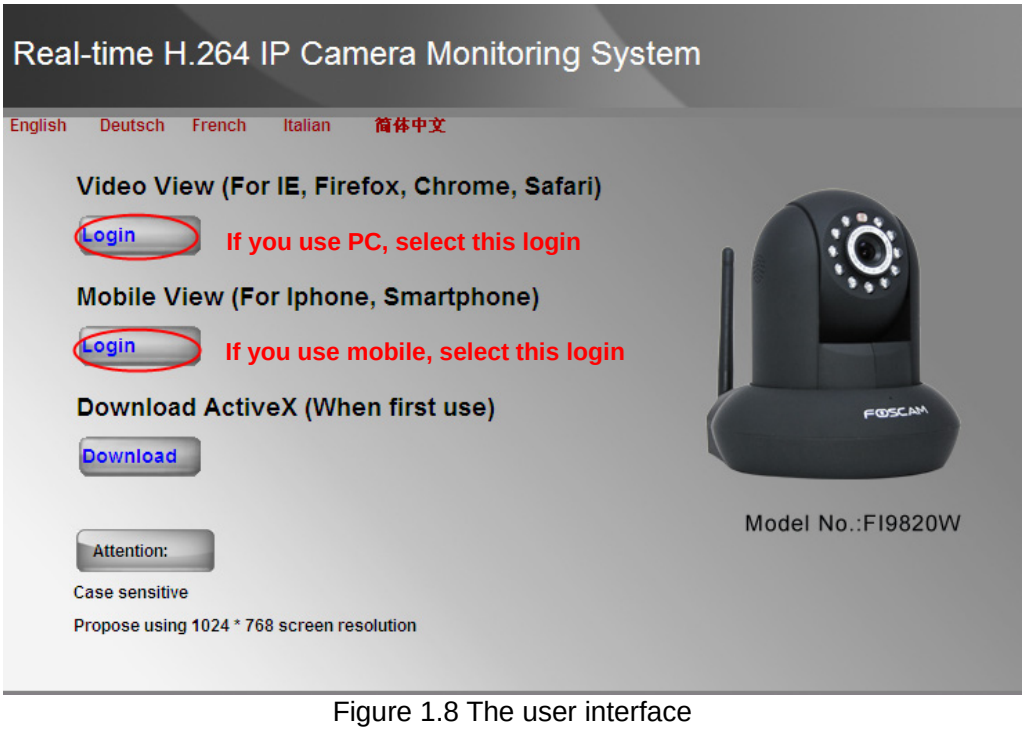


Figure 1.8 The user interface

Note

There are two login methods. One is Video View for PC user, the other is Mobile View for Mobile user. Please choose Video View if you are using PC now.

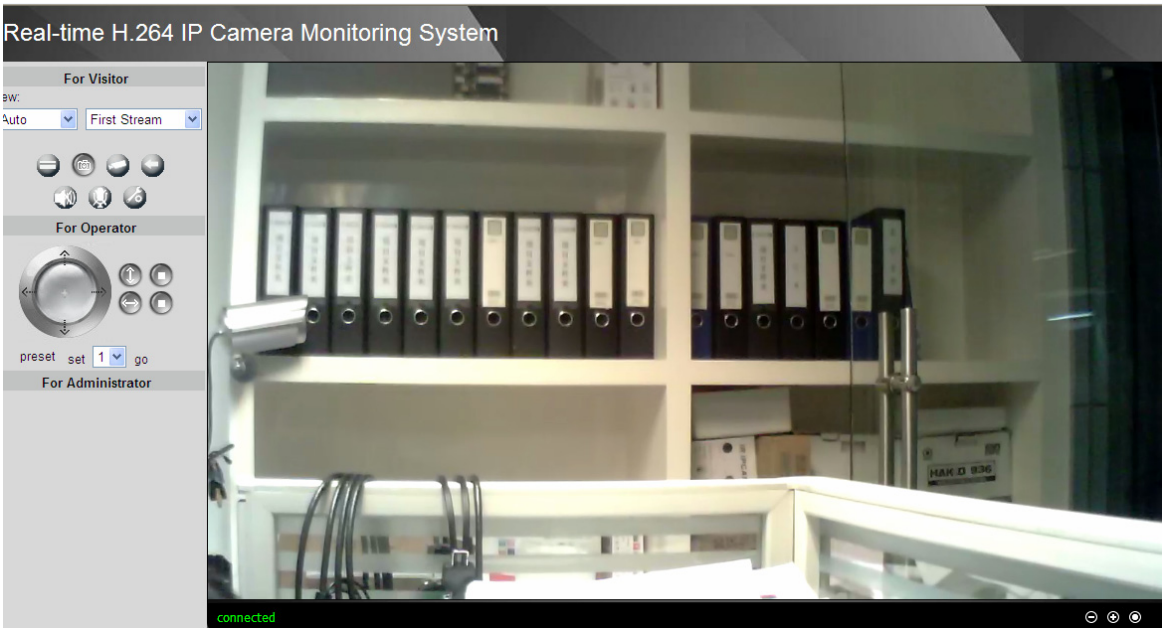


Figure 1.9 Surveillance Windows

Congratulations! You have succeeded in accessing in the camera by wired connection. Just leave all the menus alone before you finish the quick installation.

Note **The default administrator user name and password are all admin.**

For the first time using you have to download the ActiveX and install it. For IE browser you can download the ActiveX from the login UI, for Firefox,Google Chrome and Safari, you should download QuickTime Player as the ActiveX from other website. (For more details: see user manual)

If you are still unable to see a live video, try shutting down any firewall or anti-virus software on your computer.

4. Wireless Connection Settings

Please choose "**For Administrator**" and click "**Wireless Settings**". Enable wireless.

There are two modes below **Wireless Settings**: Infrastructure and Point_to_Point.

Infrastructure: Connect the IPCAM to the WLAN via an a wireless router.

Point _to_Point: Connect the IPCAM directly to a host in a peer_to_peer environment.

4.1 Infrastructure Mode

Step 01) Enable wireless and choose Infrastructure mode.

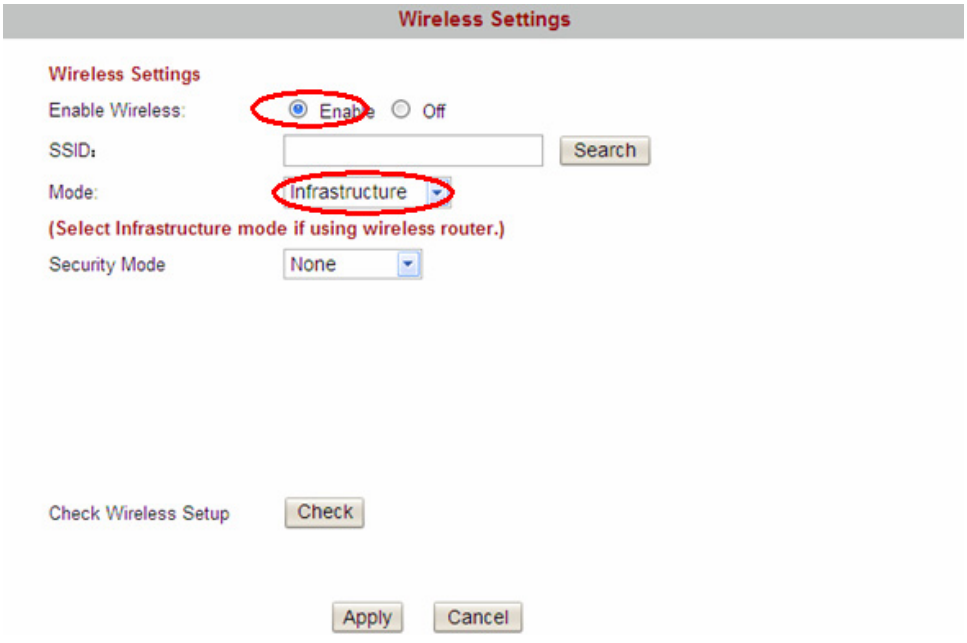


Figure 2.0 Wireless Settings

Click the **Search** button and the camera will detect all WIFI devices around the area.

It will pop up a dialog box and display all available routers: (Figure 2.1)

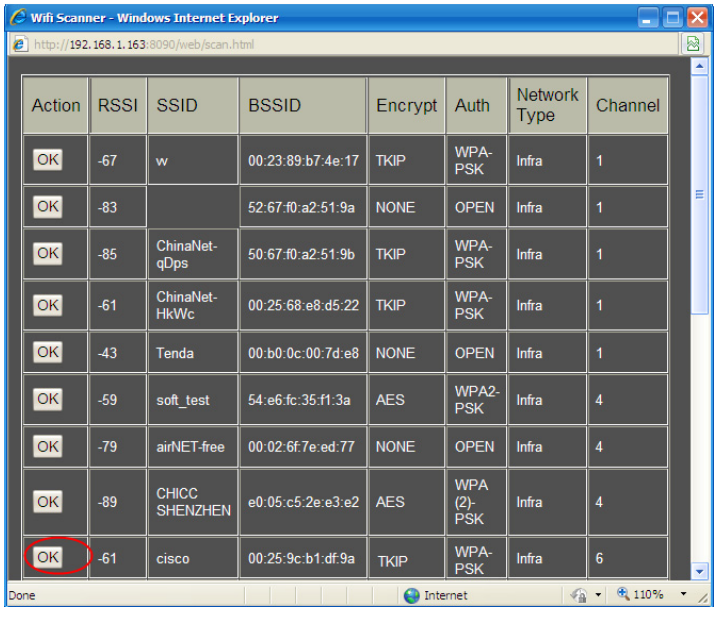

Wifi Scanner - Windows Internet Explorer
http://192.168.1.163:8090/web/scan.html
Action RSSI SSID BSSID Encrypt Auth Network Type Channel
OK -67 w 00:23:89:b7:4e:17 TKIP WPA-PSK Infra 1
OK -83 52:67:f0:a2:51:9a NONE OPEN Infra 1
OK -85 ChinaNet-qDps 50:67:f0:a2:51:9b TKIP WPA-PSK Infra 1
OK -61 ChinaNet-HkWc 00:25:68:e8:d5:22 TKIP WPA-PSK Infra 1
OK -43 Tenda 00:b0:0c:00:7d:e8 NONE OPEN Infra 1
OK -59 soft_test 54:e6:fc:35:f1:3a AES WPA2-PSK Infra 4
OK -79 airNET-free 00:02:6f:7e:ed:77 NONE OPEN Infra 4
OK -89 CHICC SHENZHEN e0:05:c5:2e:e3:e2 AES WPA (2)-PSK Infra 4
OK -61 cisco 00:25:9c:b1:df:9a TKIP WPA-PSK Infra 6
Done
Internet
110%

Figure 2.1 All available WIFI routers

Step 02) Click OK in the first column and the corresponding information (SSID, Security mode, WPA Algorithm & WEP key index) will be filled automatically as the following picture.

You will only need to fill in the key. Make sure that SSID, Security Mode, WPA Algorithm and the key you filled in for the camera are exactly the same for your router.

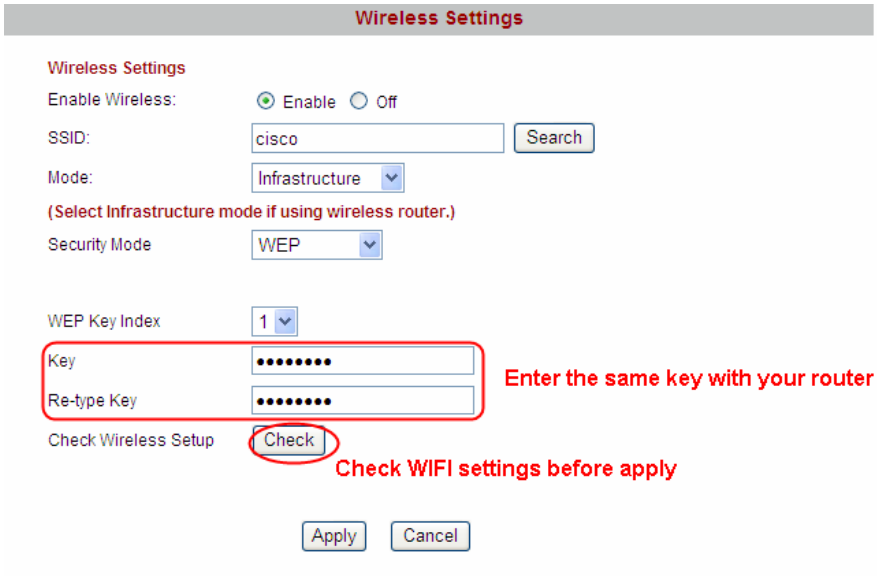


Figure 2.2 Wireless LAN Settings

Step 03) Click **Check** after all settings have been entered. You can see whether WIFI settings are correct. Such as the following screen:

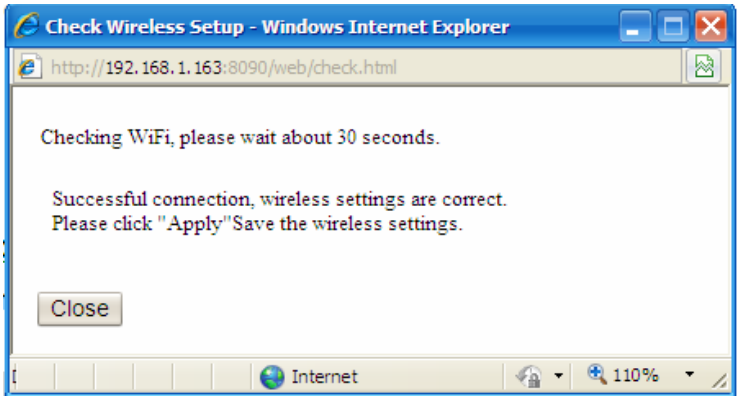


Figure 2.3 WIFI Settings are correct

If failed, you will see a dialog box as the following picture. Close the dialog box and reset wireless again.

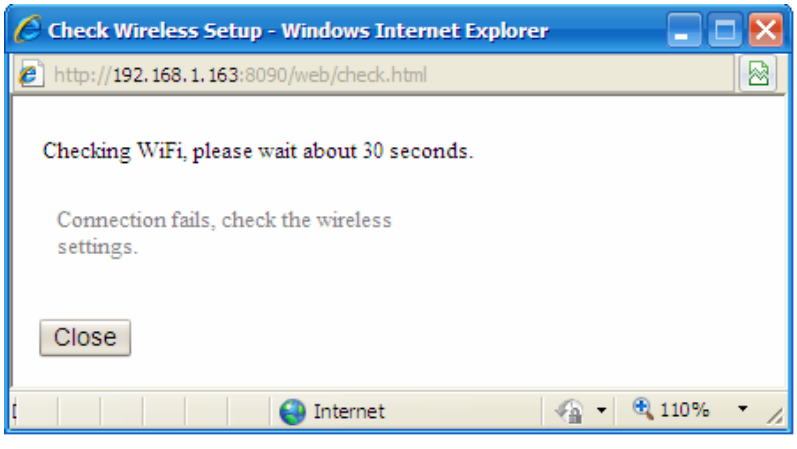


Figure 2.4 WIFI Settings are incorrect

When wireless settings are correctly, click Apply.

Plug out the network cable. Re-plug the power and the camera should work through your wireless router.

The LAN IP address will disappear on the window of IP Camera Tool when the camera gets restarted. Just wait for around 1 minute, the camera will get wireless connection, and the LAN IP of the camera will be showed again on the window of the IP Cam Tool. You have done wireless connection of the camera successfully. If the camera obtains an IP from DHCP server, the wired IP and the wireless IP may be different, because its wired and wireless MAC address are different.

4.2 Point_to_Point Mode

Under this mode, the IPCAM will directly connect to a host in a peer_to_peer environment.

Make sure the PC has plugged in the wireless network card.

Step 01) Enable wireless and choose Point_to_Point mode.

Fill in a SSID to identify the IPCAM and then set the security mode, you can choose none or others.

Click Apply.

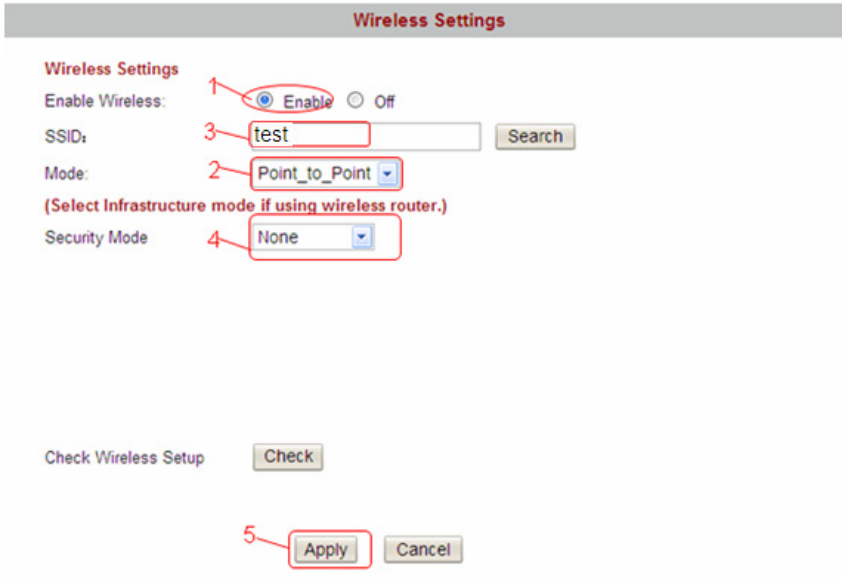


Figure 2.5 Point_to_Point mode

Step 02) Plug out the network cable of the camera and re-plug the power. After the camera restarts, you can search the camera LAN IP again in the IP Camera Tool.

Open the wireless network card of PC and search the wireless network around the area. You can find the SSID you filled for the camera (Figure 2.5).

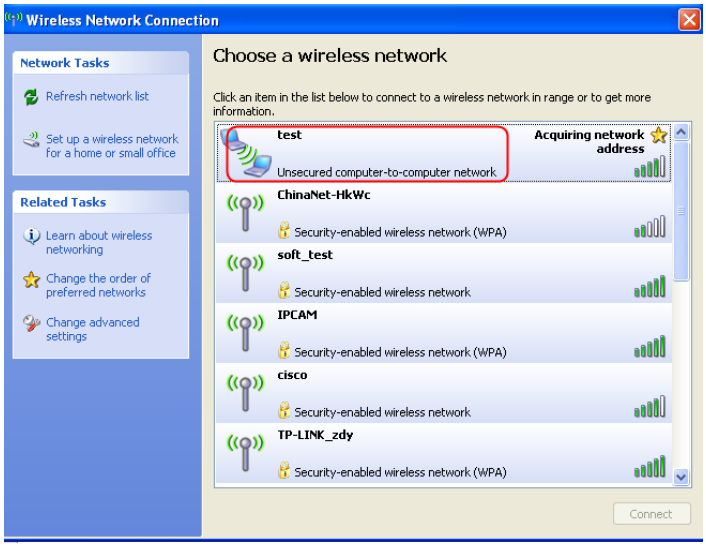


Figure 2.6 Wireless Network

Step 03) Disabled the wired connection of the PC. Select the SSID you filled at Figure2.5 for your PC and enter the same key with your camera. PC and camera will work on point_to_point mode.

Note **If fail to make WiFi connection, please refer to seller or us for help.**

5. Remote Access Settings

We have been able to access the camera within the LAN network, but how to access the camera via WAN or via internet? **We have to do Remote Access Settings before we want to access the camera outside the LAN network.**

5.1 Static IP user

Static IP users do not need to set DDNS service settings for remote access. When you have finished connecting the camera using LAN and port forwarding, you can access the camera directly from the Internet by the WAN IP and port number.

- **Obtain the WAN IP from IPCAM**

Please choose "**For Administrator**" and click "**Remote Access**".

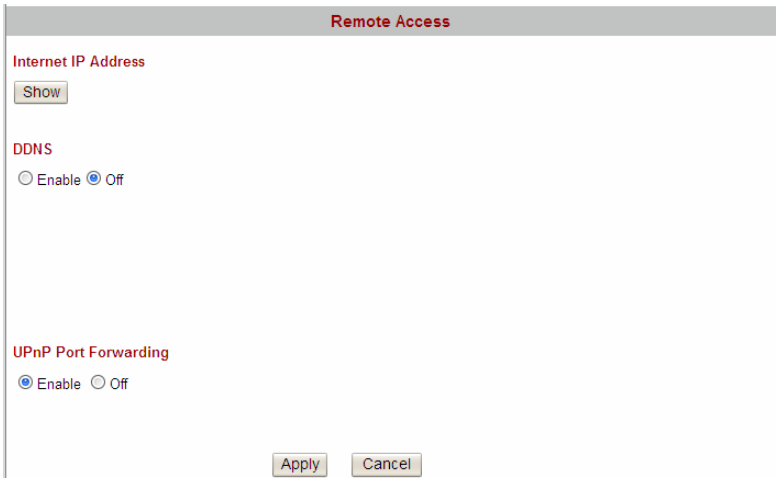


Figure 2.7 Obtain the WAN IP from IPCAM

Click show, you will see the WAN IP as below.

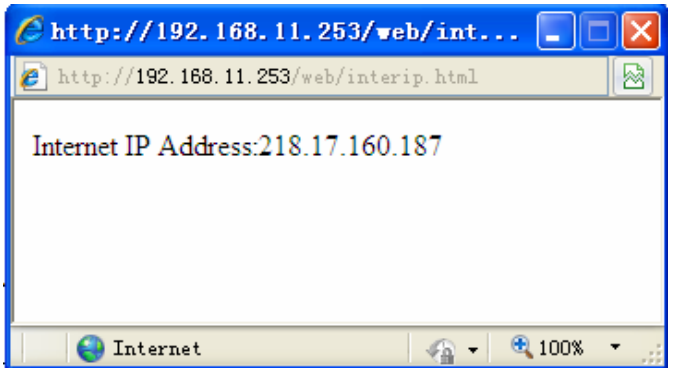


Figure 2.8 WAN IP

- **How to Obtain the WAN IP from a public website**

To obtain your WAN IP address, enter the following URL in your browser: http://www.whatismyip.com.The webpage at this address will show you the current WAN IP.

My IP Address - Shows Your IP Address - Windows Internet Explorer
Home Forum Speed Test IP Tools IP FAQ IP Commands
Hide My IP Most Popular
What Is My IP Address - WhatIsMyIP.com
Your IP Address Is:
218.17.160.187
No Proxy Detected
Whats My IP Address?
IPv6+IPv4 Free DNS Server
Primary, Secondary, and Dynamic
Fast, Free, Easy DNS Hosting
Enter Site
FREE VPS for 3 Month
ORDER NOW

Figure 2.9 Get to know the WAN IP address of the router

Access the IP Camera from the Internet

You can access the IP Camera from the Internet (remote access). Enter the WAN IP address and port number in IE browser or other browsers you use. For example, Http:// 218.17.160.187:85

Note

Make sure port mapping (or also known as port forwarding) is successful. You can do port mapping in two ways.

1) Enter the setting page of the router to enable UPNP function. Then login the camera as administrator, choose **UPnP Settings** to enable UPNP and make sure the state is “UPnP success”.
2) Do port forwarding manually. (details: Fig.3.3)
If your router has a Virtual Server, it will do port mapping. Please add the camera’s LAN IP and port which you set in basic network settings to the Virtual map list.
Note: If you plug the camera in a router, it will have dynamic IP address and you need to set DDNS service settings to view it remotely.

5.2 How to configure Remote Access Settings (For dynamic IP user)

① Step 1 Go to the website www.no-ip.com to create a free hostname

Firstly: Login on www.no-ip.com and click No-IP Free to register.

Home
Contact Us
Login
no-ip
The DNS Service Provider
Home
Download
Services
Support
Company
Managed DNS
No-IP Plus, The complete managed DNS Solution
Easy to use interface.
Complete control over your domain.
FREE dynamic DNS update client.
Includes 50 hosts/sub domains.
Sign Up!
More Info
User Login
Username
Password
Create Account
Forgot password?
Login
Additional Services
No-IP Enhanced
Upgrade your No-IP account to unlock many exciting features.
No-IP Backup DNS
Maximize uptime and add Anycast to your existing DNS infrastructure.
No-IP Monitoring
24/7 server monitoring including automatic failover.
Mail Reflector
Run a mail server even if your ISP blocks port 25.
Stay Connected
FROM $15
Register Your Domain
com
Search
Click here to register
No-IP Free
Create a FREE hostname to point to your dynamic IP
See what over 12+ million users are talking about.
Try us for FREE!
Learn More >
POP3 / IMAP Mail
Outsource your mail service administration
Packages including 100MB to 2GB of storage, webmail access, advanced spam and virus filtering!
As low as $19.95 per year.
Learn More >
Feature Highlight
Configure your router to work with No-IP.com
Our DDNS is included in many hardware routers.
We'll help you get started.
Learn More >
Home | API | Whois | Contact Us | Sitemap | Terms of Service | Privacy Policy | Blog

Figure 3.0 Register a user name on www.no-ip.com

Please register the account step by step according to instructions on www.no-ip.com

After registration, please login your email which used to register. You will receive an email from website as below, please click the link to activate your ACCOUNT as indicated in email.

Secondly: Login the link with the registered username and password to create your domain name.

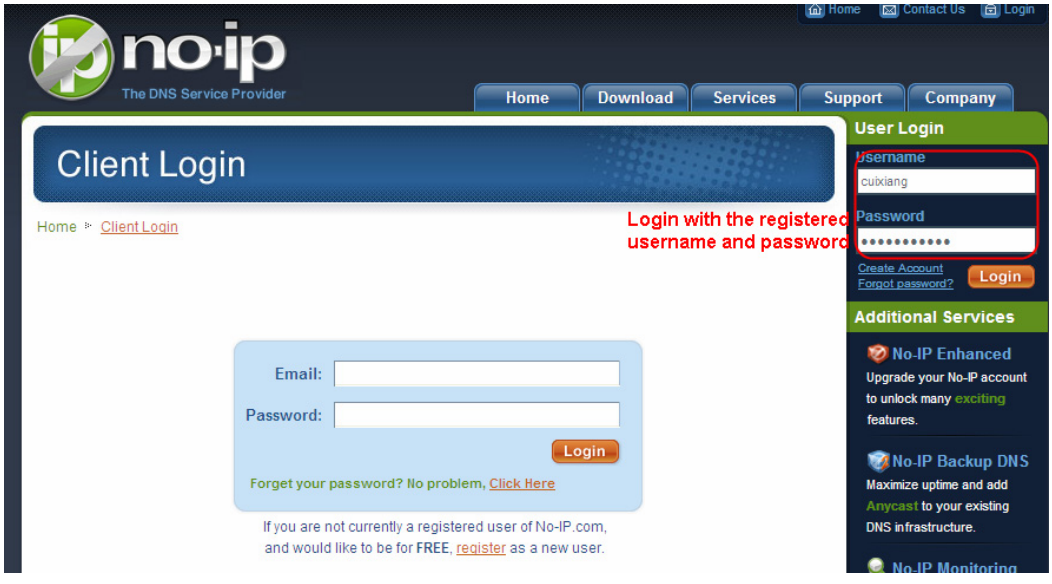


Figure 3.1 Login the link to create a domain name

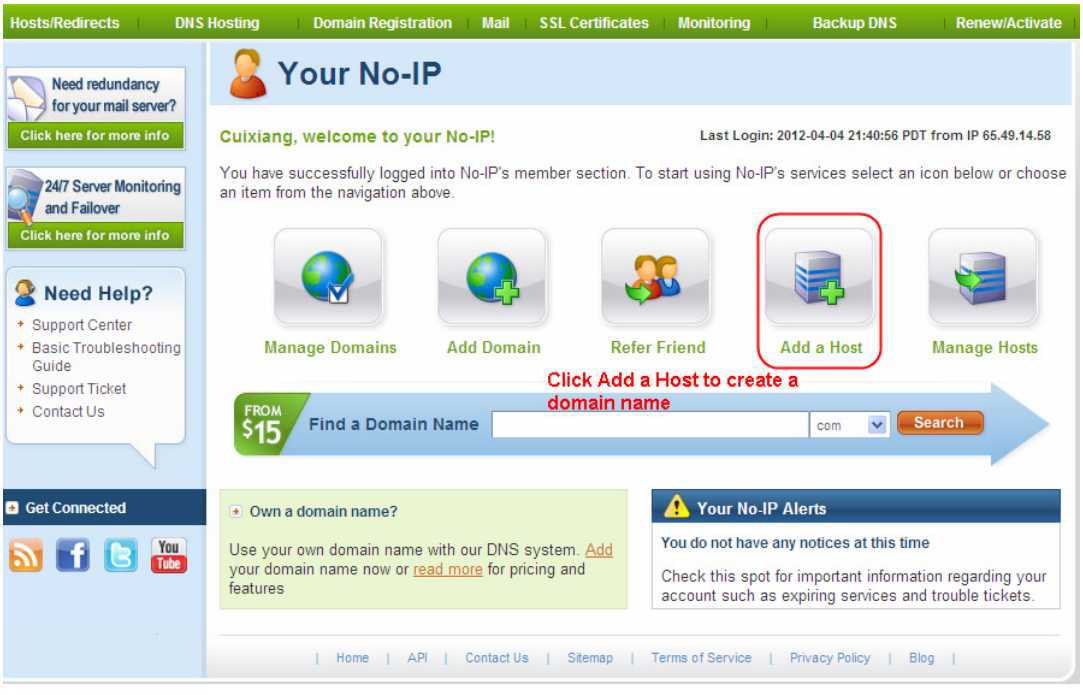

Hosts/Redirects
DNS Hosting
Domain Registration
Mail
SSL Certificates
Monitoring
Backup DNS
Renew/Activate
Need redundancy for your mail server?
Click here for more info
24/7 Server Monitoring and Failover
Click here for more info
Need Help?
Support Center
Basic Troubleshooting Guide
Support Ticket
Contact Us
Get Connected
Your No-IP
Cuixiang, welcome to your No-IP!
Last Login: 2012-04-04 21:40:56 PDT from IP 65.49.14.58
You have successfully logged into No-IP's member section. To start using No-IP's services select an icon below or choose an item from the navigation above.
Manage Domains
Add Domain
Refer Friend
Add a Host
Manage Hosts
Click Add a Host to create a domain name
FROM $15
Find a Domain Name
com
Search
Own a domain name?
Use your own domain name with our DNS system. Add your domain name now or read more for pricing and features
Your No-IP Alerts
You do not have any notices at this time
Check this spot for important information regarding your account such as expiring services and trouble tickets.
Home | API | Contact Us | Sitemap | Terms of Service | Privacy Policy | Blog

Figure 3.2 Create a domain name

Please create the domain name step by step according to instructions on www.no-ip.com

② Step 2, DO DDNS Service Settings within the Camera

Please set **DDNS Service Settings** within the camera by **hostname**, a **user name** and **password** you've got from **www.no-ip.com**
Take **hostname ycxgwp.no-ip.info**, **user name foscam**, **password foscam2012** for example.

Firstly, goes to option of **Remote Access** on the administrator panel and enable DDNS.

Secondly, select No-ip.com as a server.

Thirdly, fill **foscam** as DDNS user, fill password **foscam2012** as DDNS password, fill **ycxgwp.no-ip.info** as DDNS domain and server URL, Then click save to make effect.

Note **If failed, please double check if you have input the correct hostname, user name, and password, and try to redo the settings.**

③ Step 3,Make Port Forwarding of the HTTP Port of the camera

What is port forwarding?

If you have no concept of Port Forwarding, please open the webpage http://portforward.com/help/portforwarding.htm to learn some knowledge of Port Forwarding.
Or Use Google to check out what is port forwarding.

How to do port forwarding within the router

Example: The camera's LAN IP address is http://192.168.1.35:88 ,

Firstly, login the router, goes to the menu of **Port Forwarding or Port Trigger** (or named **Virtue Server** on some brands of router). **Take Linksys brand router as an example, Login the router, and goes to Applications & Gaming->Single Port Forwarding.**

Secondly, Create a new column by LAN IP address & HTTP Port No. of the camera within the router showed as below.

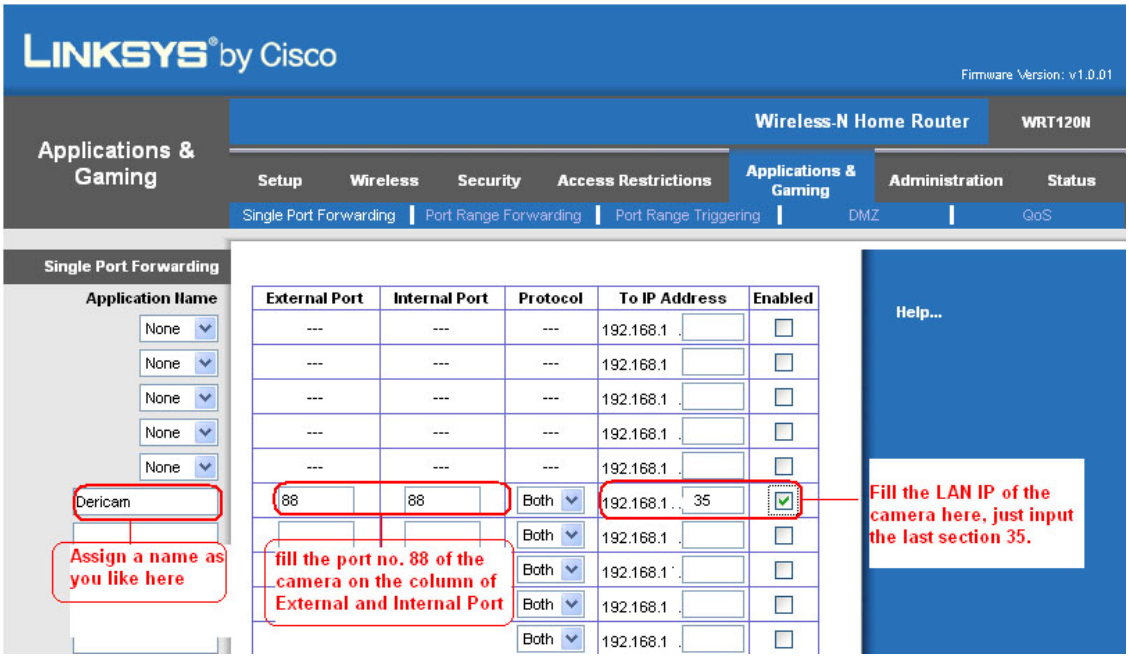


Figure3.3 Port forwarding

④Step 4, Use domain name to access the camera via internet

After the port forwarding is finished, you can use **the domain name+ http no.** to access the camera via internet. Take hostname **ycxgwp.no-ip.info** for example, the accessing link of the camera via internet would be http:// ycxgwp.no-ip.info:88

How to test if the accessing link is working

1) Just enter http:// **Domain name + HTTP Port** on the IE bar, to see if the camera is accessible.

2) Send the link http:// **Domain name + HTTP Port** to your friend to have a test, to check if the camera is accessible

6. Other Settings

Congratulations!

You have finished the quick installation of the camera. You can take time to play the camera.
Please refer to the electronic user manual burned in the CD-ROM for other settings.
Other advanced software settings, such as Alarm, Email Settings, User Settings.

If you have problem with FOSCAM IP camera, please first contact FOSCAM reseller for solving the problems. If our reseller cannot provide service, pls contact our service department: tech@foscam.com .

ShenZhen Foscam Intelligent Technology Co., Ltd